

Trimclean™

Closing the gap between sorting and recycling

What is Trimclean?

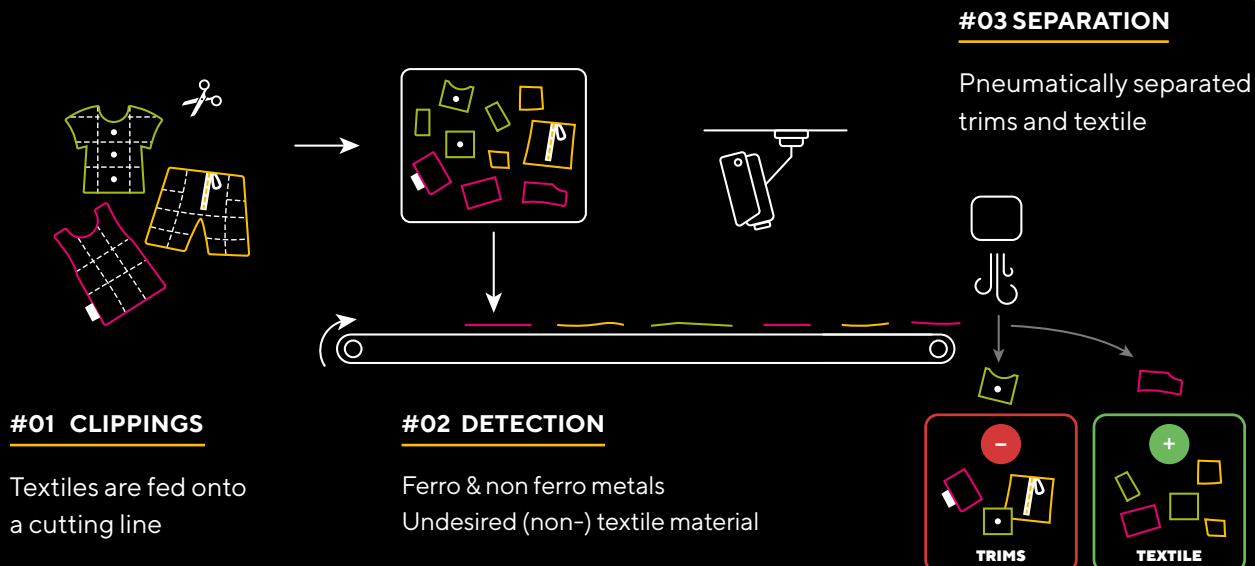
Trimclean is a highly efficient system designed to extract trims like zippers, buttons and labels from fibersorted textile materials. Removing these undesired components, increases the purity of the feedstock creating a high quality and reliable source of feedstock for textile-to-textile recyclers.

How does it work?

After the Fibersort process, textiles are fed onto a cutting line where they are cut into small clippings measuring 20

to 100 mm. These clippings are conveyed to a detection area where they are inspected by an optical camera system and metal sensor. This metal sensor detects ferro and non-ferro metals. The vision system detects all kinds of undesired (non-) textile materials (eg. labels, shoulder pads).

Clippings with trims are pneumatically separated from the other clippings, resulting in 2 separate material flows. The untrimmed materials are used as feedstock to create new textile products. Further separation on color is also possible.



What's your challenge?

+32 56 52 13 80 — sales@valvan.com

www.fibersort.com

Specifications

Dimensions

Length: ± 7.000 mm

Width: ± 6.500 mm

Height: ± 4.500 mm

Capacity

1.000 kg/h max.*

* Based on tests with industrial loads carried out under the best possible conditions. Depending on the specific weight of the clippings and coverage ratio on the conveyor, the capacity can vary. Trimclean works perfectly in dry conditions with regular humidity.

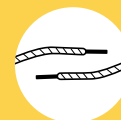
Designed to extract trims



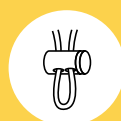
Zippers



Buttons



Laces



Cord lockers



Labels



Hook & loop (velcro)



**PATENT
PENDING**



The Trimclean separates garment textiles from unwanted materials. This 'purified' textile is the ideal raw material for the next step in the process: mechanical or chemical recycling.

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